L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:338377 CAPLUS

DN 133:89593

TI Solution-Phase Synthesis of Diaryl Selenides Using Polymer-Supported Borohydride

AU Millois, Corinne; Diaz, Philippe

CS GALDERMA RD, Sophia-Antipolis, F06902, Fr.

SO Organic Letters (2000), 2(12), 1705-1708 CODEN: ORLEF7; ISSN: 1523-7060

PB American Chemical Society

DT Journal

LA English

OS CASREACT 133:89593

AB A new series of selenium-containing diaryl retinoids have been prepared by a

new

direct nickel(II)-catalyzed coupling of a diselenide with an iodoaryl in the presence of polymer-supported borohydride. Thus, (bpy)2NiBr2-catalyzed coupling reaction of bis(4-chlorophenyl) diselenide with Me 3-iodobenzoate in the presence of Aldrich 32,864-2 resin in THF/MeOH gave 84% 4-ClC6H4SeC6H4CO2Me-2.

IT 252352-02-6P 252352-21-9P 252352-22-0P

282087-23-4P 282087-24-5P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 252352-02-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 6-[[4-(1,1-dimethylethyl)phenyl]seleno]- (9CI) (CA INDEX NAME)

RN 252352-21-9 CAPLUS

CN 3-Pyridinecarboxylic acid, 6-[[3,5-bis(1,1-dimethylethyl)-2-(methoxymethoxy)phenyl]seleno]- (9CI) (CA INDEX NAME)

RN 252352-22-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[[3,5-bis(1,1-dimethylethyl)-2-(methoxymethoxy)phenyl]seleno]- (9CI) (CA INDEX NAME)

282087-23-4 CAPLUS RNCN

3-Pyridinecarboxylic acid, 6-[[3-(1,1-dimethylethyl)-4methoxyphenyl]seleno]- (9CI) (CA INDEX NAME)

RN282087-24-5 CAPLUS

CN3-Pyridinecarboxylic acid, 2-[[4-(1,1-dimethylethyl)phenyl]seleno]- (9CI) (CA INDEX NAME)

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

1999:811209 CAPLUS AN

132:35910 DN

ΤI Preparation of diaryl selenide compounds and their use in human or veterinary medicine and in cosmetics

IN Bernardon, Jean-Michel; Diaz, Philippe

PA Galderma Research & Development, S.N.C., Fr.

SO PCT Int. Appl., 81 pp. CODEN: PIXXD2

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DT Patent LA French FAN.CNT 1																		
					KIND DATE				APPLICATION NO.						DATE			
PI		WO 9965872						991223		WO 1999-FR1389 1999061								
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			JP,	KE,	KG,	KΡ,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,
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									FR 1998-7439					19980612				
				B1 20020816														
								CA 1999-2334843										
				A1 20000105				AU 1999-40491					19990611					
				B2 20021010														
	EΡ	P 1086080								EP 1999-923723								
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	JP 2002518371 ZA 2000006518					20010925									0611			
	NO 2000006337			A 20010212				NO 2000-6337						20001212				

19980612 PRAI FR 1998-7439 Α WO 1999-FR1389 19990611 MARPAT 132:35910 OS GI

SeArR1 Ι

AB The invention concerns novel diaryl selenide compds. corresponding to I and their geometric and optical isomers and salts and the use thereof in pharmaceutical compns. in human or veterinary medicine (in the treatment of dermatol., rheumatic, cardiovascular and ophthalmol. pathologies in particular), or in cosmetic compns. In I, R1 = Me, CH2OR5 (R5 = H, lower alkyl, C(0)R10 (R10 = lower alkyl)), C(0)R6 (R6 = H, lower alkyl, OR12 (R12 = H, lower alkyl, aryl, aralkyl possibly substituted, monohydroxyalkyl, polyhydroxyalkyl), NR'R'' (R'/R'' = H, lower alkyl, aryl possibly substituted, amino acid fragment; R' and R'' together with N form a heterocycle)); Ar = R7-substituted benzene or pyridine diradical (R7 = H, halogen, lower alkyl, nitro, OR13 (R13 = H, lower alkyl), polyether radical, NR14R15 (R14/R15 = H, lower alkyl)), diradicals of furan, thiophene or thiazole; R2/R3 = H, tBu, 1-methylcyclohexyl, 1-adamantyl, OR8 (R8 = H, lower alkyl, aryl possibly substituted, aralkyl possibly substituted, monohydroxyalkyl, polyhydroxyalkyl, lower alkyl), polyether radical, where at least one of R2 or R3 = tBu, 1-methylcyclohexyl, 1-adamantyl; R2 and R3 may together with an adjacent aromatic ring form a saturated 5- or 6-membered ring possibly substituted by Me groups and/or possibly interrupted by O or S; R4 = H, halogen, lower alkyl, OR9 (R9 = H, lower alkyl, aryl possibly substituted, aralkyl possibly substituted, monohydroxyalkyl, polyhydroxyalkyl, lower alkyl, (CH2)nCO2R16 (R16 = H, lower alkyl; n = 1-12), (CH2)nX (X = halogen)), polyether radical, C(O)R10. Although the method of preparation is not claimed, 70 example prepns. are included. In a typical preparation, a haloarene (e.g. 2-bromo-5,6,7,8tetrahydro-3,5,5,8,8-pentamethylnaphthalene) is successively reacted with tBuLi in THF, Se, and NaOH in EtOH to give a diselenide, which is cleaved with NaBH4 in EtOH to give the Na salt of an areneselenol, which is undergoes metathesis with IR1 or BrR1 (e.g. Et 4-iodobenzoate) in the presence of NiBr2py2 in EtOH to give I (e.g. Et 4-(3,5,5,8,8-pentamethyl-5,6,7,8-tetrahydronaphthalen-2-ylselenenyl)benzoate). IT 252352-02-6P, 6-(4-tert-Butylphenylselenenyl)nicotinic acid 252352-21-9P, 6-(3,5-Di-tert-butyl-2-methoxymethoxyphenylselenenyl)nicotinic acid 252352-22-0P, 2-(3,5-Di-tert-butyl-2methoxymethoxyphenylselenenyl)nicotinic acid

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diaryl selenide compds. and use in human or veterinary medicine and in cosmetics)

RN252352-02-6 CAPLUS

3-Pyridinecarboxylic acid, 6-[[4-(1,1-dimethylethyl)phenyl]seleno]- (9CI) CN(CA INDEX NAME)

RN 252352-21-9 CAPLUS

CN 3-Pyridinecarboxylic acid, 6-[[3,5-bis(1,1-dimethylethyl)-2-(methoxymethoxy)phenyl]seleno]- (9CI) (CA INDEX NAME)

RN 252352-22-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[[3,5-bis(1,1-dimethylethyl)-2-(methoxymethoxy)phenyl]seleno]- (9CI) (CA INDEX NAME)

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1981:480674 CAPLUS

DN 95:80674

TI Regioselective metalation of the 4-position of pyridine. New and convenient alkylation and acylation of 3-amino-5-methoxypyridine

AU Tamura, Yasumitsu; Fujita, Masanobu; Chen, Ling-Ching; Inoue, Minako; Kita, Yasuyuki

CS Fac. Pharm. Sci., Osaka Univ., Suita, Japan

SO Journal of Organic Chemistry (1981), 46(17), 3564-7 CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 95:80674

AB The reaction of 3-methoxy-5-pivaloylaminopyridine with BuLi at low temperature in THF gives the 4-lithiopyridines, which react with various electrophiles to give the corresponding 4-substituted 3-methoxy-5-pivaloylaminopyridines. The conversion of the 5-pivaloylamino group to other substituents via the pyridyl radical was also examined

IT 77903-30-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 77903-30-1 CAPLUS

CN Pyridine, 3-methoxy-4-methyl-5-(phenylseleno)- (9CI) (CA INDEX NAME)

AN 1997:745323 CAPLUS

DN 128:34826

TI Reactions of 2,5-dihydro-2,5-dimethoxyfuran with phenylselenenyl chloride: regio- and stereocontrolled generation of highly functionalized C4 building-blocks

AU D'Onofrio, Franco; Margarita, Roberto; Parlanti, Luca; Pernazza, Daniele; Piancatelli, Giovanni

CS Dip. Chim. Cent. CNR Stud. Chim. Sostanze Organiche Natural, Univ. "La Sapienza", Rome, 00185, Italy

SO Tetrahedron (1997), 53(46), 15843-15852 CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

OS CASREACT 128:34826

GΙ

An efficient protocol for stereo- and regiocontrolled synthesis of small polyfunctional mols. is presented. The stereospecific addition of PhSeCl to 2,5-dihydro-2,5-dimethoxyfuran in solvents, such as CH2Cl2 and MeOH, gives cyclic and linear acetals I and (2S*,3R*)-(MeO)2CHCHClCH(SePh)CH(OMe)2, depending on the solvent used. Emphasis is given to the regiocontrolled hydrolysis of acetal groups for the preparation of stereodefined and highly functionalized C4 synthons, such as (2S*,3S*)-(MeO)2CHCHClCH(SePh)CHO, (E)-(MeO)2CHCH:C(SePh)CHO, and (Z)-(MeO)2CHC(SePh):CHCHO.

RN 199535-77-8 CAPLUS

CN Furan, 2-methyl-3-(phenylseleno) - (9CI) (CA INDEX NAME)



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1987:32738 CAPLUS

DN 106:32738

TI Oxidation of some furanoselenium compounds

AU Pennanen, Seppo I.

CS Dep. Chem., Univ. Kuopio, Kuopio, 70211/21, Finland

SO Synthetic Communications (1986), 16(8), 877-82 CODEN: SYNCAV; ISSN: 0039-7911

DT Journal

LA English

OS CASREACT 106:32738

GΙ

AB The title compds. I, II, and III were oxidized with H2O2 and the products were identified. I gave 74% 5-methyl-2-furanone. II gave unstable 2-methylene-3-hydroxy-2,3-dihydrofuran which rapidly isomerized to furfuryl alc. III gave 2-(3-phenyl-1-propenyl) furan and another unstable compound which rapidly rearranged to 2-(1-hydroxy-3-phenylpropyl) furan.

RN 106154-32-9 CAPLUS

CN Furan, 2-methyl-5-(phenylseleno)- (9CI) (CA INDEX NAME)